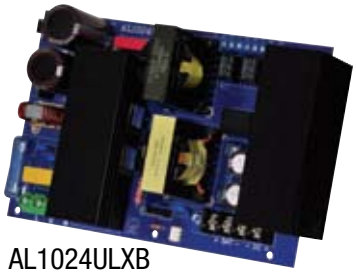
AL1024ULXB
Off-line Switching Power Supply/Charger

Rev. DSAL1024ULXB_04262012



AL1024ULXB

Overview

AL1024ULXB is a UL Recognized power supply/charger which converts a 115VAC, 60Hz input into a single 24VDC non-power limited output.

Specifications

Input:
- Input 115VAC, 60Hz, 4.4 amp.
- Input fuse rated @ 3.5 amp/250V.

Output:
- 24VDC output.
- 10 amp of continuous supply current for Access Control applications.
- 8 amp of continuous supply current for Fire Alarm applications.
- Filtered and electronically regulated output.
- Short circuit and thermal overload protection.

Battery Backup:
- Built-in charger for sealed lead acid or gel type batteries.
- Automatic switch over to stand-by battery when AC fails.

Battery Backup *(cont'd)*:
- Maximum charge current 3.6 amp.

Supervision:
- AC fail supervision (form "C" contacts).
- Low battery supervision (form "C" contacts).
- Battery presence supervision (form "C" contacts).

Visual Indicators:
- AC input and DC output LED indicators.

Electrical:
- Operating temperature: 0º C to 49º C ambient.
- 91 BTU/Hr.
- System AC input VA requirement: 506VA.

Mechanical:
- Product weight (approx.): 2.45 lbs. (1.11 kg.).
- Shipping weight (approx.): 2.75 lbs. (1.25 kg.).

Agency Approvals

UL Recognized component for Access Control System Units (UL 294)
Standard for Safety for Fire Protective Signaling Systems (UL 1481).

Board Dimensions *(L x W x H) (approximate)*:

5.2" (132.08mm) x 7.6" (193.04mm) x 2.5" (63.5mm)